

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Raulf M. Polichar et al.

Serial No.: 10/822,727

Filed: April 13, 2004

For: NEUTRON DETECTOR WITH LAYERED
THERMAL-NEUTRON SCINTILLATOR AND
DUAL FUNCTION LIGHT GUIDE AND
THERMALIZING MEDIA

Atty. Docket No.: 000479.00116

Group Art Unit: 2878

Examiner: TBD

Confirmation No.: 2863

SUBMISSION OF FORMAL DRAWINGS TO OFFICIAL DRAFTSMAN

MAIL STOP MISSING PARTS

Commissioner for Patents

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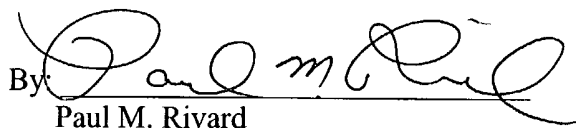
Sir:

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TC 1700

Further to the requirement made in the Notice to File Corrected Application Papers, Filing Date Granted, mailed June 23, 2004, please substitute the attached 3 sheets of formal drawings, depicting Figures 1A to 4, for those which were originally filed on April 13, 2004, in this matter.

It is believed that no fee is required. However, if a fee is required, please charge our Deposit Account No. 19-0733.

Respectfully submitted,

By 
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Date: July 6, 2004

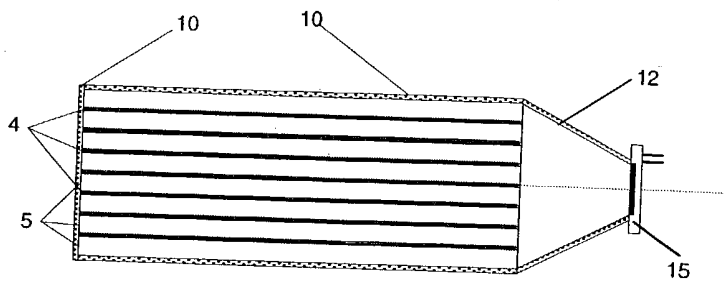
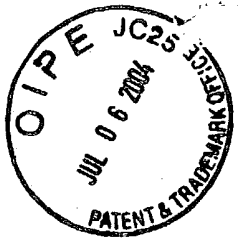


FIG. 1A

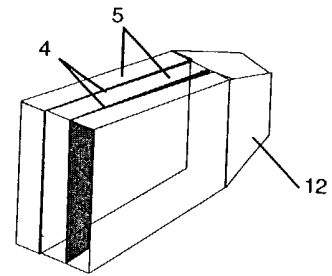


FIG. 1B

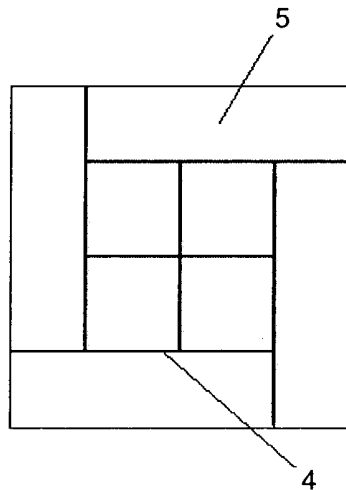


FIG. 1C

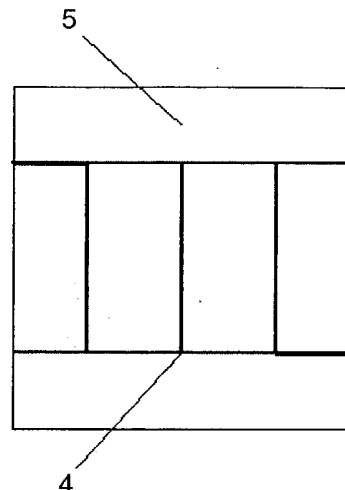


FIG. 1D

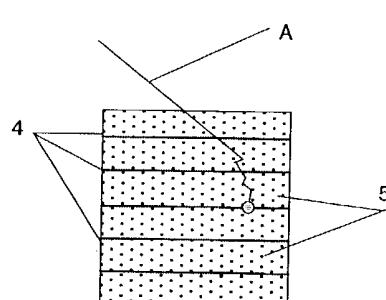


FIG. 2A

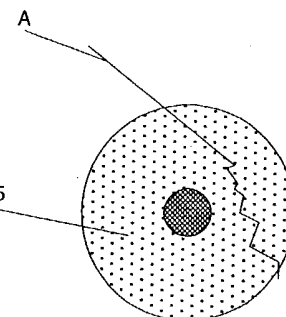
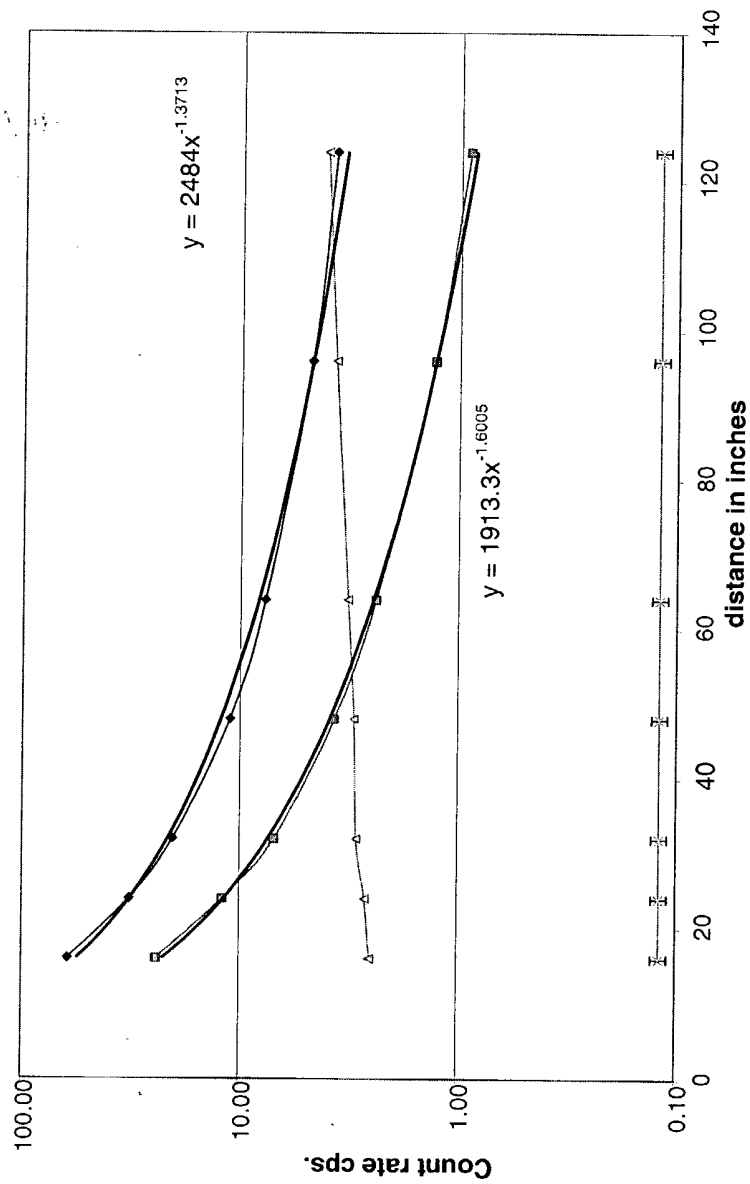


FIG. 2B
PRIOR ART

Shielded 2 ug ²⁵²Cf Source Comparison



- ◆ ⁶Li Sandwich 3 cu in.
- 10" Bonner Sphere 10 in. dia.
- △ Ratio
- × background
- Power ⁶Li Sandwich 3 cu in.
- Power (10" Bonner Sphere 10 in. dia.)

FIG. 3

Unshielded 2 ug Ct^{252} Source Comparison

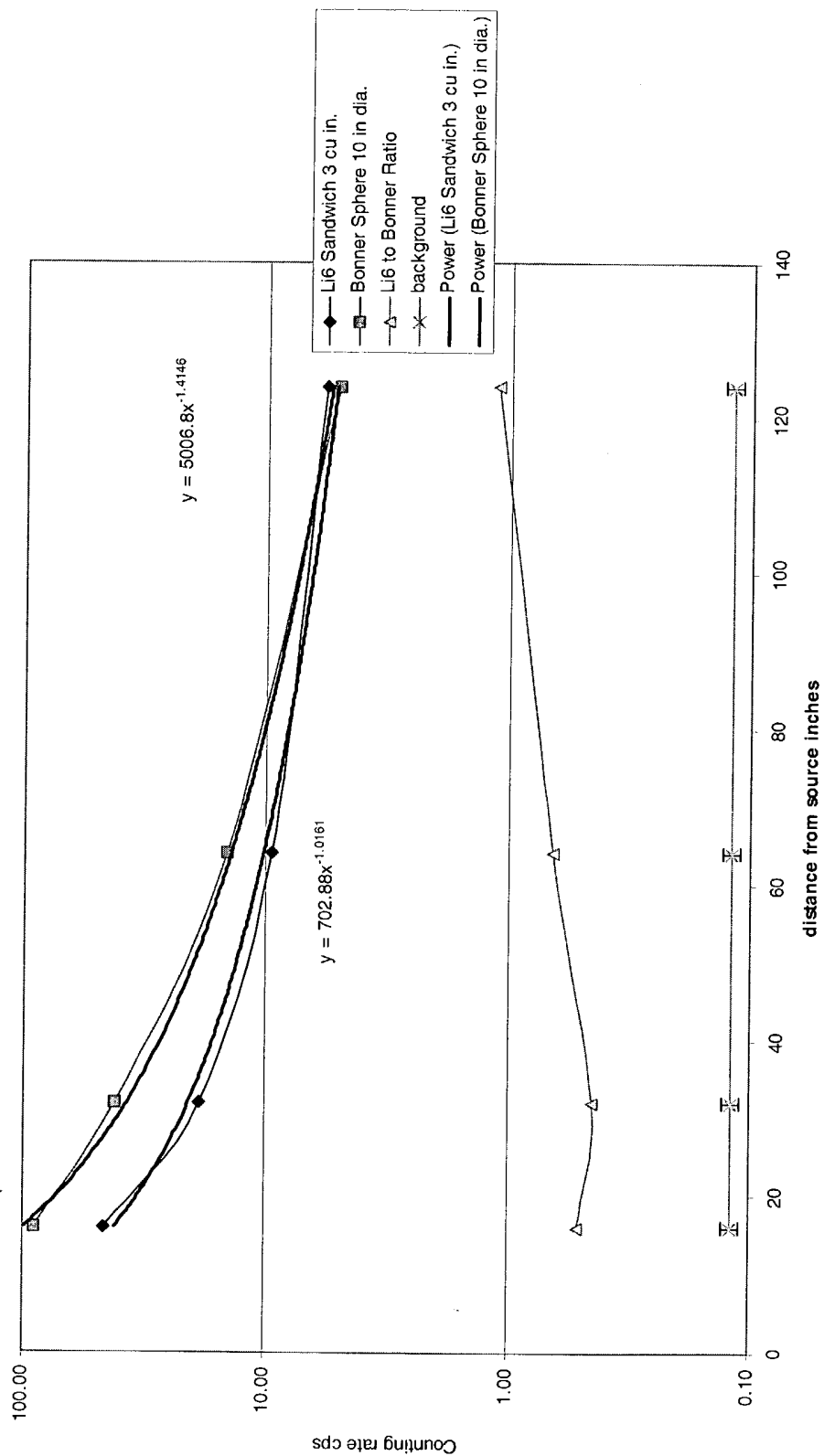


FIG. 4